

Unit Ventilator Vertical Floor Units

UAVS, UAVV, UAVR, UAVB
Sizes S07, S10, S13, S15
Design F (6)



Contents

Parts List Revision History.....	3
Nomenclature	
Model Number	4
Serial Number.....	4
Electrical Legend.....	5
Field Installed Accessories.....	6-10
Unit Ventilator Diagram	11
External Cabinetry.....	11
Discharge Air	
Daigram	12
Components	13
Coil Section	
Diagram	14
Components	15-16
Electric Heat	
Heater Assy	17
Electric Heaters	18
Damper Section	
Diagram	19
Components	20
Actuators	21
Controls	
Overheat Stat (OH1), DE Low Limit Control (T4), Hydronic Coil Low Water Temp. Stat (T6)	22
MicroTech II Controls- Sensors	23, 24
MicroTech II Controls- Circuit Board, Expansion Board, Terminal Block	25
MicroTech II Controls- Main Box.....	26, 27
DDC Controls (Code 9= 17)- Terminal Strip, R2 Relay (Damper/Valve Control)	28
DDC Controls (Code 9= 17)- Main Box	29
DDC Controls (Code 9= 17)- Sensors.....	30
Controls by Others (Code 9= 23)- Main Box.....	31
Critical Parts List.....	CPL1

Parts List Revision History

Revision	Date	Description
New	11/05	New
A	2/07	Page 22 - Table heading on bottom of page was changed from with MT II to WITHOUT MT II.
B	12/08	Page 12 - Ref #7 & 9-Change part numbers and drawing of Top Panel and Grille. Page 14 - Add note for motor.
C	5/09	Page 25 - Remove footnotes 4 & 5 from chart.
D	7/09	Page 4 - Change Code 07 '78= Opp. End Steam High Cap.' to '78= Opp. End Steam Low Cap.' Change Code 07 '79= Opp. End Steam Low Cap.' to '79= Opp. End Steam High Cap.'
E	1/11	Reformatted from PM6.5 to CSIV and added CPL1. Page 16- Change TX valve p/n 106080616 to 106500604 and p/n 106080615 to 106500606. Change TX valve p/n 106080617 to 106500608.
F	1/11	Reformatted CPL.
G	12/11	Page 12- Ref#1 & 2 Add paint colors. Ref # 7 change top panels center p/n 10659207 to 106966891; p/n 10659210 to 106966900, p/n 10659213 to 106966491; p/n 10659215 to 106966591; Add p/n 106959210 for S10 Ivory. Ref #9 change grille p/n 106959307 to 106966291; p/n 106959310 to 106966391; p/n 106959313 to 106966491; p/n 106959315 to 106966591. Ref#10 add base frame p/ns 106962179, 106962289, 106962379, 106962479.
H	2/12	Title Page- Change Vintage F to Design F (6). Delete the 6 after the models. Page CPL1- Change Vintage F to Design F (6). Delete the 6 after the models.
I	1/14	Rebrand to Daikin. Page 5- Code 6 add Cooling options 1-8. Code 8- Add Coil Connections G,R & S. Page 11- Change all Code 9 to Code 10. Page 14- Ref# 114 change fan shaft p/ns GC8504 to 106802002, GC8505 to 106802003, GC8506 to 106802004 & GC10116 to 106802005.
J	2/15	Page 11- Delete Adapter Backs- kits are in field installed accessories. Delete sheetmetal for external cabinetry add footnote to contact Daikin. Page 13- Add X13 ECM & program and footnote #3. Page 14 Change shaft p/n 106802005 to GC10729. Page 15- Add exp valve p/n 106500603 for S10. CPL1- Add exp valve p/n 106500603 for S10. Delete Comm cards and add X13 motor.

	<u>UAVV</u>	<u>6</u>	<u>S10</u>	<u>A</u>	<u>S</u>	<u>68</u>	<u>A</u>	<u>23</u>	<u>AL</u>	<u>22</u>	<u>G</u>	<u>I</u>	<u>8</u>	<u>1</u>
Code	01 & 02	03	04	05	06	07	08	09	10	11	12	13	14	15
01 & 02	Unit Type UAVS= Unit Ventilator Vertical- Face & Bypass Control UAVV= Unit Ventilator Vertical- Control Valve UAVR= Unit Ventilator Vertical- Face & Bypass w/Reheat UAVB= Unit Ventilator Vertical- Control Valve w/Reheat						09	Controls 17= DDC w/o Control Board 23= Field Mounted Controls by Others B[1-9, A-G]= Basic E[1-9, A-G]= Expanded L[1-9, A-G]= Leading [1= Stand Alone w/o TC 2= Stand Alone Master w/o TC 3= Stand Alone Slave w/o TC 4= BACnet MS/TP w/o TP A= Stand Alone Master w/o TC w/CO2 B= Stand Alone Slave w/o TC w/CO2 C= BACnet MS/TP w/o TP w/CO2 D= LonMark SCC w/o TC w/CO2 E= Metasys N2 Open w/o TC w/CO2 F= Stand Alone w/TC w/CO2 G= Stand Alone Master w/TC w/CO2]						
03	Unit Design (Vintage) 6= Design F													
04	Size (1000's BTUH) S07= 750 S10= 1000				S13= 1250 S15= 1500									
05	Voltage A= 115/60/1 C= 208/60/1 G= 230/60/1 J= 265/60/1				D= 208/60/3 H= 230/60/3 K= 460/60/3			10	Discharge AB= 21-7/8" Top Bar Grille Full Adapter Back, Closed Pipe Tunnel w/ Solid Back AK= 21-7/8" Top Bar Grille Partial ABack, Open Tunnel AL= 16-5/8" Top Bar Grille AM= 21-7/8" Top Bar Grille 2" Step, Full Adapter Back, Closed Tunnel AN= 21-7/8" Top Bar Grille Full Adapter Back, Closed Tunnel AP= 21-7/8" Top Bar Grille Full Adapter Back, Cold Pipe Tunnel, Top Duct In					
06	Coil Options G= DX U= 2 Row CW/HW 2 pipe D= 3 Row CW/HW 2 pipe E= 4 Row CW/HW 2 pipe F= 5 Row CW/HW 2 pipe 1= 2-Row Hi Cap CW/HW 2 Pipe 2= 3-Row Hi Cap CW/HW 2 Pipe 3= 4-Row Hi Cap CW/HW 2 Pipe 4= 5-Row Hi Cap CW/HW 2 Pipe				Z= None V= 2 Row CW S= 3 Row CW W= 4 Row CW Y= 5 Row CW 5= 2-Row Hi Cap CW 6= 3-Row Hi Cap CW 7= 4-Row Hi Cap CW 8= 5-Row Hi Cap CW									
07	Heat Options 12= Low Electric (3 elements) 13= High Electric (6 elements) 14= Low Electric (4 elements) 65= HW 1-Row 66= HW 2-Row 67= HW 3-Row 68= Steam- Low Cap 69= Steam- Hi Cap 78= Steam- Low Cap, Opposite End Drain 79= Steam- Hi Cap, Opposite End Drain 00= None							11	Return Air/ OA 22= Return Air Bottom Front/ Outdoor Air Rear 24= Recirculation Only/ No OA or RA Dampers 30= Return Air Bottom with Draft Stop/ OA Rear					
								12	Power Connection G= Box w/Switch					
								13	Color I= Antique Ivory W= Off White B= Putty Beige G= Soft Gray					
								14	SKU Type- B					
08	Coil Connections A= LH Both Coils (only with Controls by Others) B= RH Both Coils (only with Controls by Others) E= LH Heat/RH Cool F= RH Heat/LH Cool G= RH Elec Heat/LH Cool R= Single Coil LH S= Single Coil RH						15	Product Style 1= 1st Product Style Change						

Plant Identification Abbreviation
AUB = Auburn

U= Unit

Year of Manufacture
05= 2005
06= 2006
etc.

Week of Manufacture

Serial Number (build sequence)

Electrical Legend

Sch. Sym.	Description	Location
A1	Actuator- OA/RA	OA Damper
A2	Actuator- F & B Damper	F & B Damper
CEH	Contactor- Electric Heat	E.H. Control Box
F2A/F3C	Fuse- Electric Heat	E.H. Control Box
FA/FB	Fuse- Control	Main Control Box
FC/FD	Fuses- Electric Heat 460V	E.H. Control Box
HTR1-6	Electric Heaters	Electric Heat Section
M	Fan Motor	Right End
MV	Valve- Modulating	Steam Coil
OH1	Overheat Stat	Electric Heat Section
R1,2,3	Relay- Electric Heat Backup	E.H. Control Box
R10,11,12	Relay- Electric Heat	E.H. Control Box
R2	Relay- Actuator Valve	DDC Control Box
R4	Relay- Fan	Main Control Box
S1	Sensor- Room Air	Left End Compartment
S2	Sensor- Discharge Air	Fan Deck
S3	Sensor- Outside Air	L.H. Lower Partition
S4	Sensor- DE Coil Temp.	DE Coil- Hairpin End
S6	Sensor- Indoor Humidity	Left End Compartment
S7	Sensor- CO2	Below Fan Motor
S8	Sensor- Outdoor Humidity	Lower Partition- Left Hand
SW1	Disconnect Switch	Main CB or EH Control Box
SW2	Switch- On/Off Fan Speed	Main Control Box
SW3	Tenant Override Switch	Top Right of Unit
T4	Freezestat- DX Coil	Left End Compartment
T6	Thermostat- Low Limit Hyd. Coil	Left End Compartment
TB1-3	Terminal Boards	Controller
TB3A/TB3B	Terminal Block- Main Power	Main Control Box
TB-DE	Terminal Block- DE Contactor	Main Control Box
TC	Time Clock	Top Right of Unit
TDR	Anti- Short Timer	Main Control Box
TDR2	Low Voltage Protector	E.H. Control Box
TS	Terminal Strip	E.H. Control Box
V1	Valve- End Of Cycle	Coil
X1	Transformer- Motor Speed	Main Control Box
X2	Transformer- Class 2	Main Control Box
X3	Transformer- 75VA	Main Control Box
X4	Transformer- 460V	Below Motor
X5	Transformer- 460V EH	E.H. Control Box

Field Installed Accessories

Ventimatic Shutter

Description	Part No.
24" Shutter	107174128
Grille Only	GP1256
36" Shutter	107174129
Grille Only	GP1257

Louver for Ventimatic Shutter

No Grille/No Flange- ½" Mesh Bird Screen on Room Side

Description	Part No.	
	Horizontal	Vertical
Autumn Brown	105631333	105631233
Clear Anodized	105631335	105631235
Dark Bronze	105631334	105631234
Unfinished	105631336	105631236

Interior Steel Wall Grille for Ventimatic Shutter

Description	Part No.			
	S07	S10	S13	S15
Antique Ivory	105658390	105658490	105658590	105658690
Off White	105658393	105658493	105658593	105658693
Putty Beige	105658392	105658492	105658592	105658692
Soft Gray	105658394	105658494	105658594	105658694

Remote Wall Sensors and Sensor Guards

Description	Part No.
Remote Sensor: ± Divisions Adjust, w/ tenant override and night setback	111048103
Remote Sensor: 55° - 85° F Adjust, w/ tenant override and night setback	111048102
Remote Sensor: Blank Face w/o adjust, w/ tenant override and night setback	111048101
Metal Sensor Guard	067183401
Plastic Sensor Guard	067183301

Communications Modules- MicroTech II

Description	Part No.		
	Kit	Card Only	Mounting Spacer
BACnet MS/TP	107293126	106103802	048166707 (4)
LonWorks SCC	107293127	106103101	048166707 (4)
Metasys N2 Open	107293125	060006202	048166707 (4)

Spare Motor

Description	Part No.
¼ HP, 48 Frame, Non-Lube, Sleeve Bearing	063261703

Auxiliary Drain Pan

Description	Part No.
Drain Pan	105677701

Field Installed Accessories

Louver- Vertical

**Heavy Gauge Aluminum w/horizontal blades,
1/2" mesh bird screen on room side; bottom lip drains moisture**

Unit Size S07 (Louver size 10-3/8"H x 36" L)

Color	Part No.			
	w/o Grille No Flange	w/o Grille w/ Flange	with Grille no Flange	with Grille with Flange
Autumn Brown	105631201	105631205	105631401	105631405
Clear Anodized	105631217	105631221	105631417	105631421
Dark Bronze	105631209	105631213	105631409	105631413
Unfinished	105631225	105631229	105631425	105631429

Unit Size S10 (Louver size 10-3/8"H x 48" L)

Color	Part No.			
	w/o Grille No Flange	w/o Grille w/ Flange	with Grille no Flange	with Grille with Flange
Autumn Brown	105631202	105631206	105631402	105631406
Clear Anodized	105631218	105631222	105631418	105631422
Dark Bronze	105631210	105631214	105631410	105631414
Unfinished	105631226	105631230	105631426	105631430

Unit Size S13 (Louver size 10-3/8"H x 60" L)

Color	Part No.			
	w/o Grille No Flange	w/o Grille w/ Flange	with Grille no Flange	with Grille with Flange
Autumn Brown	105631203	105631207	105631403	105631407
Clear Anodized	105631219	105631223	105631419	105631423
Dark Bronze	105631211	105631215	105631411	105631415
Unfinished	105631227	105631231	105631427	105631431

Unit Size S15 (Louver size 10-3/8"H x 72" L)

Color	Part No.			
	w/o Grille No Flange	w/o Grille w/ Flange	with Grille no Flange	with Grille with Flange
Autumn Brown	105631204	105631208	105631404	105631408
Clear Anodized	105631220	105631224	105631420	105631424
Dark Bronze	105631212	105631216	105631412	105631416
Unfinished	105631228	105631232	105631428	105631432

Field Installed Accessories

Louver- Horizontal
Heavy Gauge Aluminum w/horizontal blades,
½” mesh bird screen on room side; bottom weep holes drain moisture

Unit Size S07 (Louver size 10-3/8"H x 36" L)

Color	Part No.			
	w/o Grille No Flange	w/o Grille w/ Flange	with Grille no Flange	with Grille with Flange
Autumn Brown	105631301	105631305	105631501	105631505
Clear Anodized	105631317	105631321	105631517	105631521
Dark Bronze	105631309	105631313	105631509	105631513
Unfinished	105631325	105631329	105631525	105631529

Unit Size S10 (Louver size 10-3/8"H x 48" L)

Color	Part No.			
	w/o Grille No Flange	w/o Grille w/ Flange	with Grille no Flange	with Grille with Flange
Autumn Brown	105631302	105631306	105631502	105631506
Clear Anodized	105631318	105631322	105631518	105631522
Dark Bronze	105631310	105631314	105631510	105631514
Unfinished	105631326	105631330	105631526	105631530

Unit Size S13 (Louver size 10-3/8"H x 60" L)

Color	Part No.			
	w/o Grille No Flange	w/o Grille w/ Flange	with Grille no Flange	with Grille with Flange
Autumn Brown	105631303	105631307	105631503	105631507
Clear Anodized	105631319	105631323	105631519	105631523
Dark Bronze	105631311	105631315	105631511	105631515
Unfinished	105631327	105631331	105631527	105631531

Unit Size S15 (Louver size 10-3/8"H x 72" L)

Color	Part No.			
	w/o Grille No Flange	w/o Grille w/ Flange	with Grille no Flange	with Grille with Flange
Autumn Brown	105631304	105631308	105631504	105631508
Clear Anodized	105631320	105631324	105631520	105631524
Dark Bronze	105631312	105631316	105631512	105631516
Unfinished	105631328	105631332	105631528	105631532

Field Installed Accessories

End Panels- 1"

Size	Color			
	Antique Ivory	Off White	Putty Beige	Soft Gray
16-5/8" Deep, Solid	106041190	106041193	106041192	106041194
16-5/8" Deep, Solid, w/ 2½" x 7" cutout	106051390	106051393	106051392	106051394
16-5/8" Deep, Solid, w/ 4" x 18" cutout	105635590	105635593	105635592	105635594
16-5/8" Deep, Solid, w/ 4" x 22" cutout	105635690	105635693	105635692	105635694
21-7/8" Deep, Solid	106041390	106041393	106041392	106041394
21-7/8" Deep, Solid, 2" stepdown	107779890	107779893	107779892	107778994
21-7/8" Deep, Solid, w/ 2½" x 7" cutout	106041490	106041493	106041492	106041494
21-7/8" Deep, Solid, w/ 4" x 18" cutout	106041590	106041593	106041592	106041594
21-7/8" Deep, Solid, w/ 4" x 22" cutout	106041690	106041693	106041692	106041694
28" Deep, Solid	106041790	106041793	106041792	106041794
28" Deep, Solid, w/ 4" x 22" cutout	105636490	105636493	105636492	105636494

End Panels- 6"

Size	Color			
	Antique Ivory	Off White	Putty Beige	Soft Gray
16-5/8" Deep, Solid	105635790	105635793	105635792	105635794
21-7/8" Deep, Solid	106041890	106041893	106041892	106041894
28" Deep, Solid	106041990	106041993	106041992	106041994

Subbase: 16-5/8" Deep Units

Description	Unit Size			
	S07	S10	S13	S15
1" High Subbase	105660103	105660104	105660105	105660106
2" High Subbase	105660303	105660304	105660305	105660306
4" High Subbase	105660503	105660504	105660505	105660506
6" High Subbase	105660703	105660704	105660705	105660706
12" High Subbase	105660903	105660904	105660905	105660906

Subbase: 21-7/8" Deep Units

Description	Unit Size			
	S07	S10	S13	S15
1" High Subbase	105660203	105660204	105660205	105660206
2" High Subbase	105660403	105660404	105660405	105660406
4" High Subbase	105660603	105660604	105660605	105660606
6" High Subbase	105660803	105660804	105660805	105660806
12" High Subbase	105661003	105661004	105661005	105661006

Filters

Description	Part No.			
	S07	S10	S13	S15
Throwaway	G0279C	G0280C	G0281C	G0279C
Permanent Mesh	G01006	G01007	G01008	G01006
Renewable	058916101	058916102	058916103	058916101
Renewable- Media Only	105368201	105368201	105368201	105368201

Field Installed Accessories

Adapter Back Kits- Oxford Brown

Size	Unit Size			
	S07	S10	S13	S15
16-5/8"- results in closed pipe tunnel	105632101	105632113	105632126	105632138
16-5/8"- closed pipe w/ 9" vert. finish back	105632102	105632114	105632127	105632139
21-7/8"- w/ top & bottom	105632103	105632115	105632128	105632140
21-7/8"- full adapter back w/ closed pipe	105632105	105632117	105632130	105632142
21-7/8"- partial adapter back w/ open pipe	105632104	105632116	105632129	105632141
21-7/8"- w/ 2" stepdown top only	105632106	105632118	105632131	105632143
28"- 11-3/8" top only extension piece	105632109	105632121	105632134	105632146
28"- full adapter back w/ closed pipe tunnel	105632110	105632122	105632135	105632147

Modulating Valve- 2 Way, CW, N.C., MicroTech II

Description	Part No.
2 Way, ½", CW, .73cv, 24 Volt, Normally Closed Modulating Valve	106453101
2 Way, ½", CW, 1.8cv, 24 Volt, Normally Closed Modulating Valve	106453102
2 Way, ½", CW, 4.6cv, 24 Volt, Normally Closed Modulating Valve	106453103
2 Way, ½", CW, 7.3cv, 24 Volt, Normally Closed Modulating Valve	106453104

Modulating Valve- 3 Way, CW, N.C., MicroTech II

Description	Part No.
3 Way, ½", CW, .73cv, 24 Volt, Normally Closed Modulating Valve	106453001
3 Way, ½", CW, 1.8cv, 24 Volt, Normally Closed Modulating Valve	106453002
3 Way, ½", CW, 4.6cv, 24 Volt, Normally Closed Modulating Valve	106453003
3 Way, ½", CW, 7.3cv, 24 Volt, Normally Closed Modulating Valve	106453004

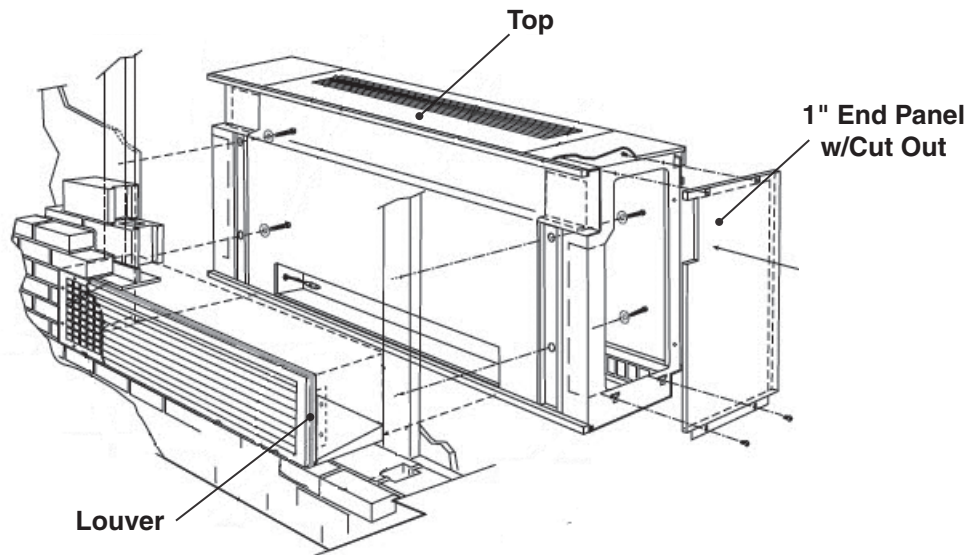
Valve- Face & Bypass, Hot Water or Steam, 2 Position, MicroTech II

Description	Part No.
2 Way, ¾", HW, 7.0cv, No EOC, Normally Open Valve	105657816
Actuator Only- N.O.	107179808
Valve Body- 2 Way	106196601
Receptacle- 2 ckt.	038254801
3 Way, ¾", HW, 5.0cv, No EOC, Normally Open Valve	105657815
Actuator Only- N.C.	107179809
Valve Body- 2 Way	106196801
Receptacle- 2 ckt.	038254801

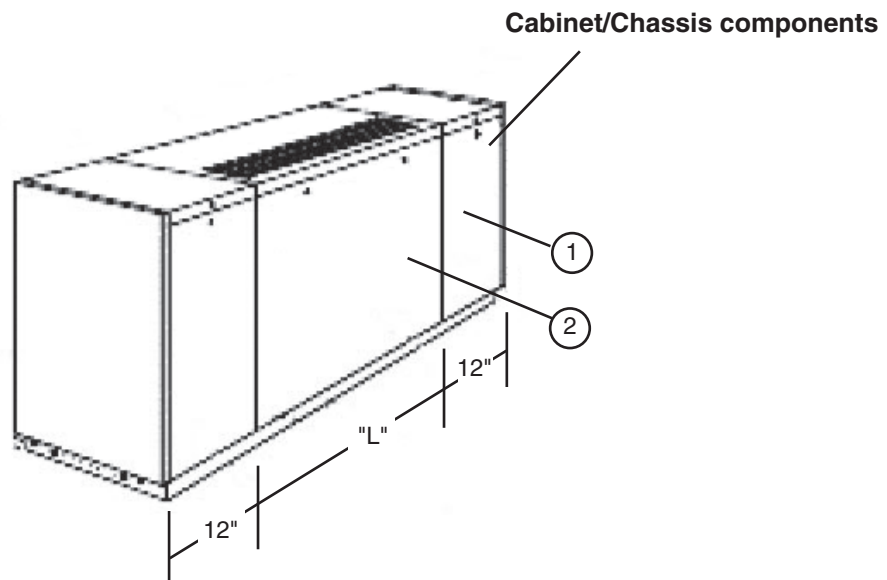
Touch Up Paint

Description	Part No.
Oxford Brown	061174724
Antique Ivory	061174723
Off White	GXA602018
Putty Beige	GXA602013
Soft Gray	GXA602014

Unit Ventilator Diagram



External Cabinetry Front Access Panels, End & Center



Ref	Description	Part Number	Qty.
1	Front Panel, End 12"	1	2
2	Front Panel, Center "L"	1	1
N/S	Cabinet/Chassis components	1	

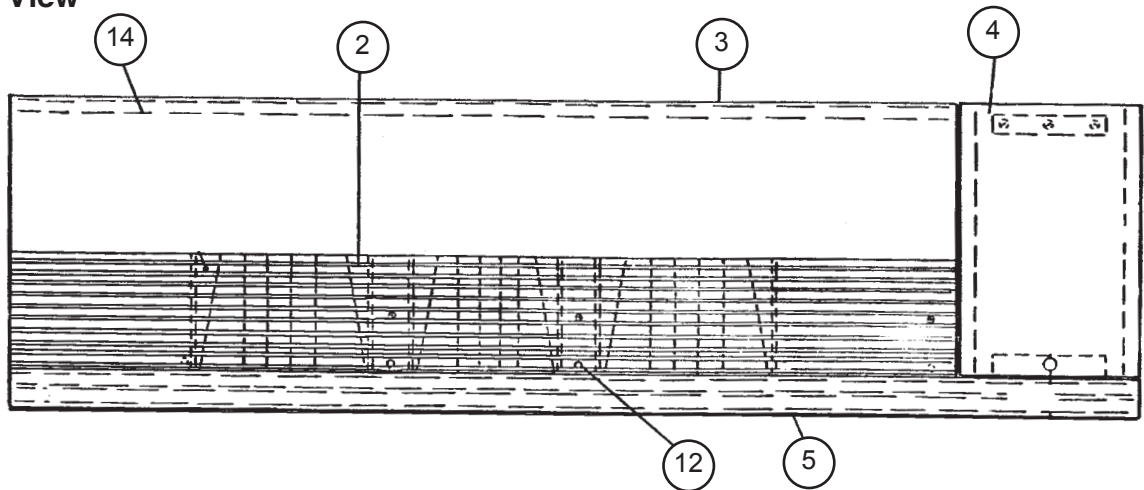
¹ Contact Daikin Applied with unit model and serial number for part numbers on Sheet Metal components.

Discharge Air Components

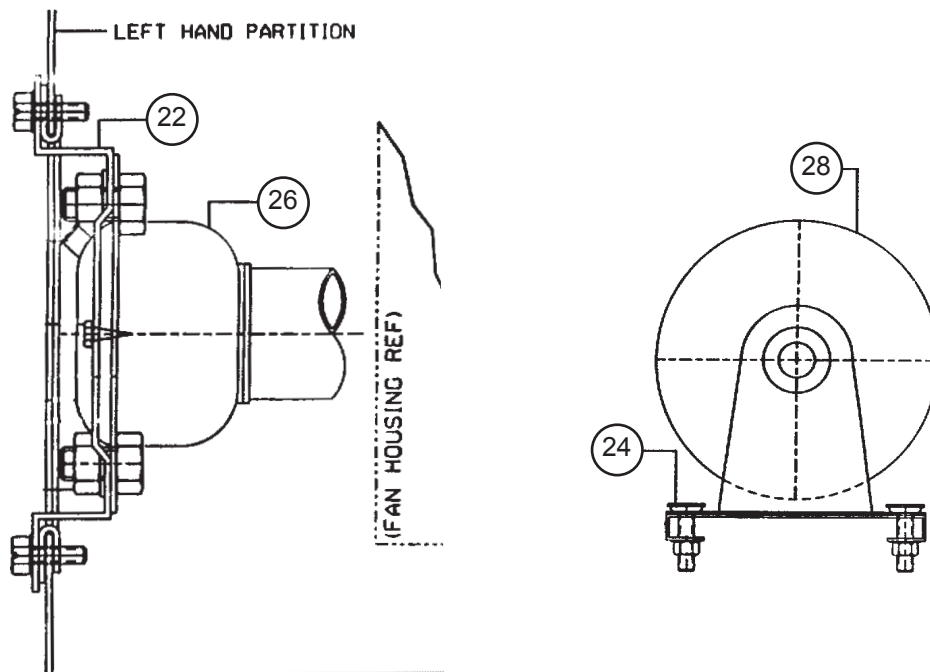
Fan Deck, Wheel, Motor, Bearing, Drain Pans

Diagrams

Top View



Motor and Bearing Detail



Discharge Air Components

Fan Deck, Wheel, Motor, Bearing, Drain Pans Components

Ref. No.	Description	Part Number	Unit Size			
			S07	S10	S12	S15
2	Discharge Grille	1				
3	Top Cover	1				
4	Top Panel	1				
5	Front Moulding	1				
N/S	Access Door- 12"	106961691	2	2	2	2
12	Blower Wheel & Housing until 3/11	106503001	2	3	4	4
12	Blower Wheel & Housing 3/11 & later	106120903	2	3	4	4
N/S	Blower Wheel	105687401	2	3	4	4
14	Screen	105689789	2	3	4	4
N/S	Fan Shaft until 4/06	GC8504	1			
N/S	Fan Shaft 4/06 & later	106802002	1			
N/S	Fan Shaft until 4/06	GC8505		1		
N/S	Fan Shaft 4/06 & later	106802003		1		
N/S	Fan Shaft until 4/06	GC8506			1	
N/S	Fan Shaft 4/06 & later	106802004			1	
N/S	Fan Shaft until 4/06	GC10729				1
N/S	Fan Shaft 4/06 & later	106802005				1
N/S	External Retaining Ring	057522101	2	2	2	2
22	Motor Mounting Plate	GC10138	1	1	1	1
24	Motor Bolt Plate	056608602	2	2	2	2
26	Sleeve Bearing	4ACE2556A	1	1	1	1
28	Indoor Fan Motor ²					
	1/4 HP until 4/02	063261701	1	1	1	1
	1/4 HP 4/02 to 3/03	063261702	1	1	1	1
	1/4 HP 3/03 & later	063261703	1	1	1	1
N/S	X13 ECM & Program	³	See X13 motor name plate			
N/S	Motor Mount	106453501	1	1	1	1
N/S	Coupling- Motor to Shaft	GC5021C	1	1	1	1
N/S	Gasket	106829901	1	1	1	1
N/S	Grommet	035928100	3	3	3	3
N/S	Grommet	035928000	3	3	3	3

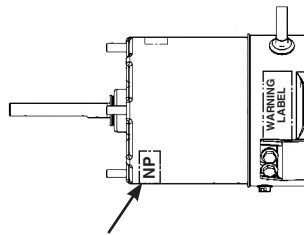
N/S = Not shown on diagram.

¹ Please contact Daikin Applied with unit model and serial number for part numbers on Sheet Metal components.

² Motors are 115/60/1 regardless of unit voltage. It is important that the correct transformer be installed (see Code 5 for voltage).

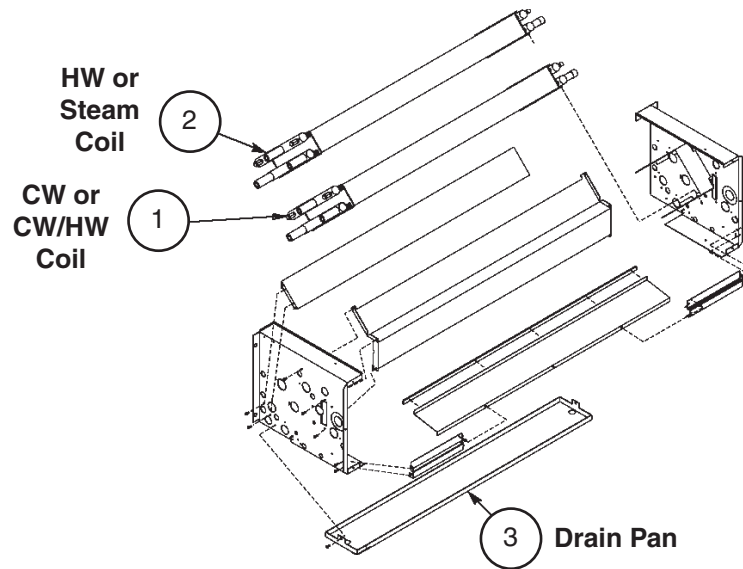
³ The PN for the X13 motor is found on the name plate label on the motor.

You may also contact Daikin Applied with the Unit Model & Serial Number to get the X13 Motor part number.

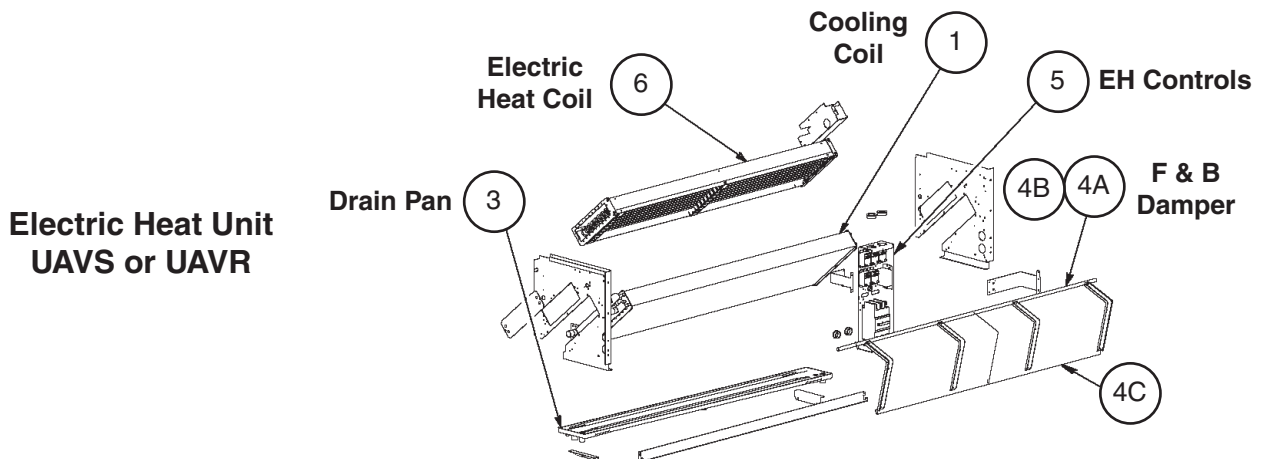


**X13 Motor
Name Plate**

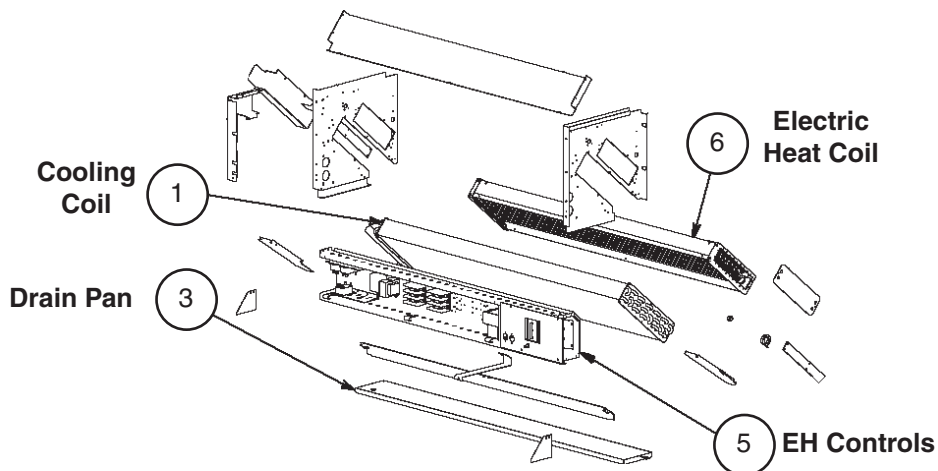
Coil Section Diagrams



**Hydronic Heat Unit
(UAVV or UAVB shown)**



**Electric Heat Unit
UAVS or UAVR**



**Electric Heat Unit
UAVV or UAVB**

Coil Section

Drain Pan, Face & Bypass Damper Components

Ref. No.	Part Description	Part Number	Unit Size			
			S07	S10	S13	S15
1	Coil see table below and on next page					
2	HW or Steam Heat Coil see table next page					
3	Drain Pan ¹ Black Plastic	106727701	1			
	Drain Pan ¹ Black Plastic	106727702		1		
	Drain Pan ¹ Black Plastic	106727703			1	
	Drain Pan ¹ Black Plastic	106727704				1
4A	Shaft- Face & Bypass Damper UAVS/UAVR	106837503	1			
	Shaft- Face & Bypass Damper UAVS/UAVR	106837504		1		
	Shaft- Face & Bypass Damper UAVS/UAVR	106837505			1	
	Shaft- Face & Bypass Damper UAVS/UAVR	106837506				1
4B	Bearing- F & B Damper Shaft UAVS/UAVR	4ACN1491	2	2	2	2
4C	Damper Assy- F & B Damper UAVS/UAVR	107330503	1			
	Damper Assy- F & B Damper UAVS/UAVR	107330504		1		
	Damper Assy- F & B Damper UAVS/UAVR	107330505			1	
	Damper Assy- F & B Damper UAVS/UAVR	107330506				1
5	Coil- Electric Heat See Electric Heat Section					
6	Controls- Electric Heat See Electric Heat Section					

¹ Some units may have an insulated steel drain pan p/n 057524613 (S07), 057524614 (S10), 057524615 (S13) or 057524615 (S15).

Coil Section

DX Cooling Coils, Expansion Valves (Code 06= G)

Ref. No.	Coil Description	Code 6=	Code 8=	Part Number	Unit Size			
					S07	S10	S13	S15
1	DX Coil- Left Hand	G	A or F	107076114	1			
	DX Coil- Right Hand	G	B or E	107076113	1			
	DX Coil- Left Hand	G	A or F	107076214		1		
	DX Coil- Right Hand	G	B or E	107076213		1		
	DX Coil- Left Hand	G	A or F	107076314			1	
	DX Coil- Right Hand	G	B or E	107076313			1	
	DX Coil- Left Hand	G	A or F	107076414				1
	DX Coil- Right Hand	G	B or E	107076413				1
	Valve- Expansion, 1.5 Tons	G	ALL	106500603	1			
	Valve- Expansion, 2 Tons	G	ALL	106500604		1		
	Valve- Expansion, 3 Tons	G	ALL	106500606			1	
	Valve- Expansion, 4 Tons	G	ALL	106500608				1

Coil Section

Chilled Water (CW) Cooling Coils (Code 06= S, V, W, Y)

Chilled Water/Hot Water (CW/HW) Coils (Code 06= D, E, F, U)

Hot Water Coils (HW) (Code 07= 65, 66, 67)

Ref. No.	Coil Description	Rows	Code 6=	Code 7=	Part Number	Unit Size			
						S07	S10	S13	S15
2	HW	1	G,S,V,W,Y	65	107076101	1			
	HW	1	G,S,V,W,Y	65	107076201		1		
	HW	1	G,S,V,W,Y	65	107076301			1	
	HW	1	G,S,V,W,Y	65	107076401				1
1 or 2	CW or HW/CW or HW	2	U or V	66	107076102	1			
	CW or HW/CW or HW	2	U or V	66	107076202		1		
	CW or HW/CW or HW	2	U or V	66	107076302			1	
	CW or HW/CW or HW	2	U or V	66	107076402				1
1 or 2	CW or HW/CW or HW	3	D or S	67	107076103	1			
	CW or HW/CW or HW	3	D or S	67	107076203		1		
	CW or HW/CW or HW	3	D or S	67	107076303			1	
	CW or HW/CW or HW	3	D or S	67	107076403				1
1	CW or HW/CW	4	E or W	any	107076104	1			
	CW or HW/CW	4	E or W	any	107076204		1		
	CW or HW/CW	4	E or W	any	107076304			1	
	CW or HW/CW	4	E or W	any	107076404				1
1	CW or HW/CW	5	F or Y	any	107076105	1			
	CW or HW/CW	5	F or Y	any	107076205		1		
	CW or HW/CW	5	F or Y	any	107076305			1	
	CW or HW/CW	5	F or Y	any	107076405				1

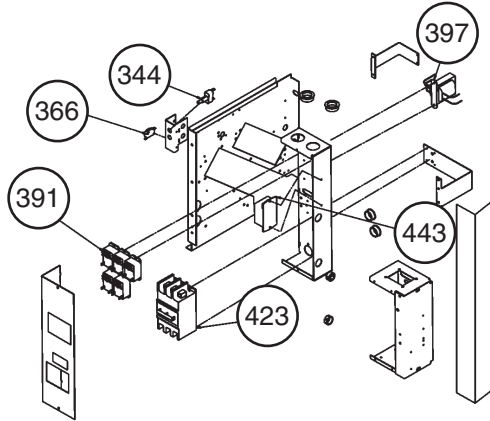
Coil Section

Steam Coils (Code 07= 68, 69, 78, 79)

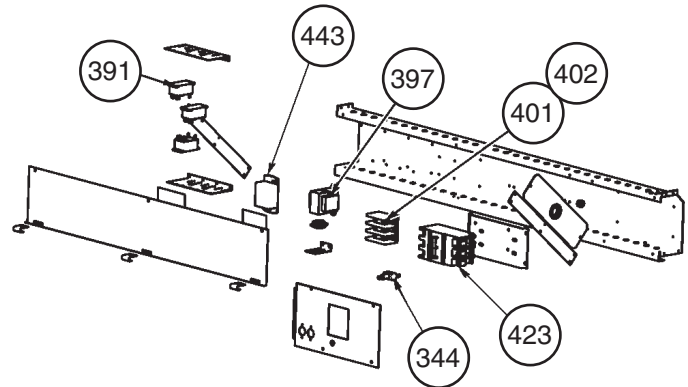
Ref. No.	Coil Description	Capacity	Code 7=	Part Number	Unit Size			
					S07	S10	S13	S15
2	Steam	Low	68 or 78	107076501	1			
	Steam	Low	68 or 78	107076511		1		
	Steam	Low	68 or 78	107076521			1	
	Steam	Low	68 or 78	107076531				1
2	Steam	High	69 or 79	107076502	1			
	Steam	High	69 or 79	107076512		1		
	Steam	High	69 or 79	107076522			1	
	Steam	High	69 or 79	107076532				1

Electric Heat

Electric Heat Control Box



Control Box
Face & Bypass Units
General Layout



Control Box
Valve Control Units
General Layout

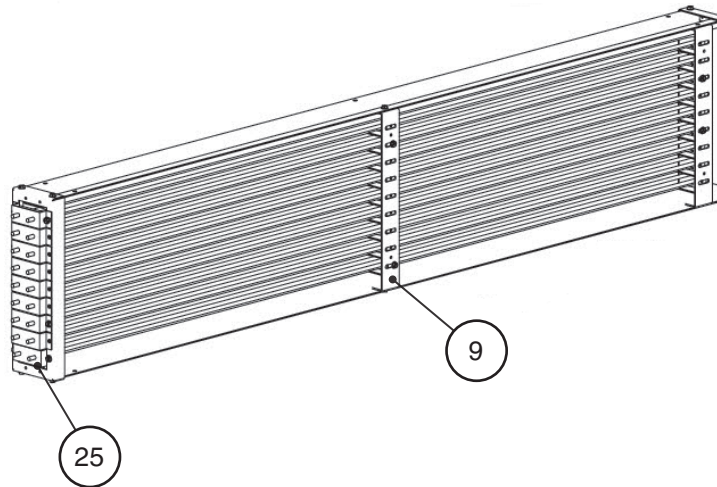
Ref. No.	Sch. Sym.	Part Description	Part Number	Unit Size			
				S07	S10	S13	S15
344	SW2	Toggle Switch	4EAL2427	1	1	1	1
366	SW3	Switch	4EAL7261	1	1	1	1
391	R()	Relay	106500101	*	*	*	*
397	X5	Transformer 208/230V	063042401	1	1	1	1
	X5	Transformer 277V	060630702	1	1	1	1
397	X5	Transformer 460V	4EPC9056	1	1	1	1
N/S	X5	Relay 460V	106500101	2	2	2	2
423	SW1	Switch- Disconnect	4EUL6509A	1	1	1	1
401		Fuse Block ¹ 208/230/60/1	4EHC7700	2	2	2	2
		Fuse Block ¹ 208/230/60/3	4EHC4506	1	1	1	1
		Fuse Holder ¹ 460/60/3	4EB1933	2	2	2	2
402	F2A/	Fuse ¹ 208/230/60/1	4EHG4083	4	4	4	4
	F3C	Fuse ¹ 208/230/60/3	4EHG4083	3	3	3	3
		Fuse ¹ 460/60/3	4EHG7713	2	2	2	2
443	TDR2	Relay- Anti Short TDR2	4EWS7798	1	1	1	1
N/S	TS	Terminal Board 3Ø Units	802007686	1	1	1	1
	TS	Terminal Board 1Ø Units	4ECA8877	1	1	1	1
N/S	CEH	Contactor 24V 60A	106823210	1	1	1	1

N/S= Not shown on diagram.

* Quantity may be 3 or 6. R1, R2, R3 (Electric Heat Backup), R10, R11, R12 (Electric Heat).

¹ SW1 to Contact Harness.

Electric Heat Heater Assembly



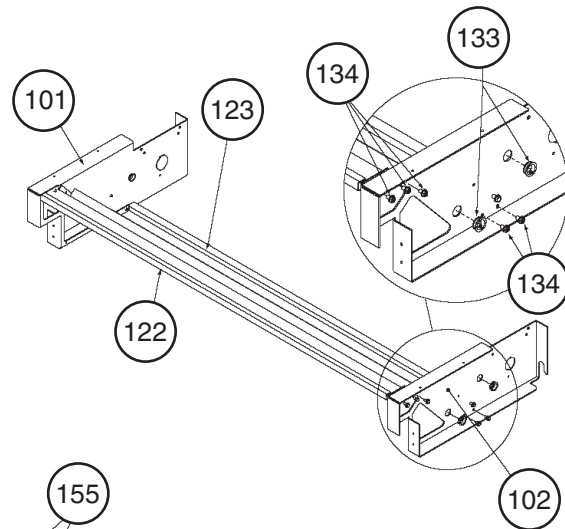
Ref. No.	Sch. Sym.	Part Description Unit Sizes	Unit Voltage				Qty
			208V	230V	460V	265V	
N/S	---	Channel, Top & Bottom					
		Unit Sizes S07	107066803	107066803	107066803	107066803	2
		Unit Sizes S10	107066804	107066804	107066804	107066804	2
		Unit Sizes S13	107066805	107066805	107066805	107066805	3
		Unit Sizes S15	107066806	107066806	107066806	107066806	3
9	---	Element Seperator					
		Unit Sizes S07-S10	GR2044	GR2044	GR2044	GR2044	2
		Unit Sizes S13-S15	GR2044	GR2044	GR2044	GR2044	3
25	HTR 1-6	Heater Element					
		Unit Sizes S07	063413601	063413605	063413609	063413701	3/6
		Unit Sizes S10	063413602	063413606	063413610	063413702	3/6
		Unit Sizes S13	063413603	063413607	063413611	063413703	3/6
		Unit Sizes S15	063413604	063413608	063413612	063413704	3/6

N/S = Not shown on diagram

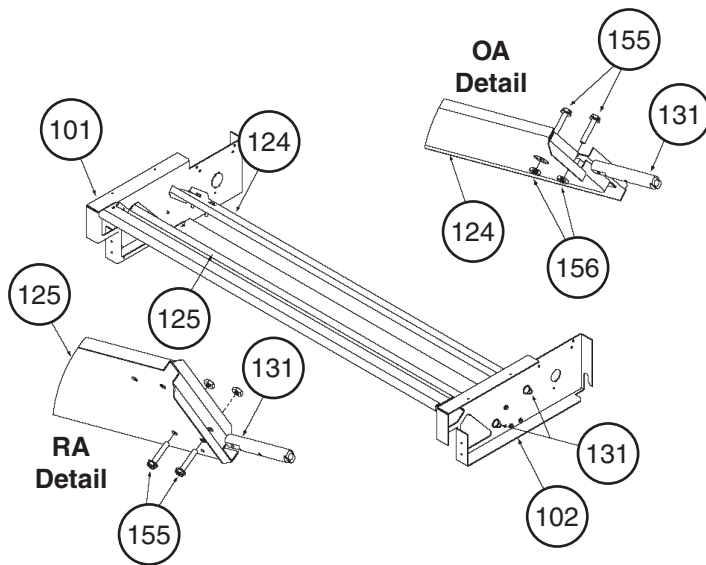
Damper Section

Outdoor Air & Return Air Dampers, Stops, Linkage Diagrams

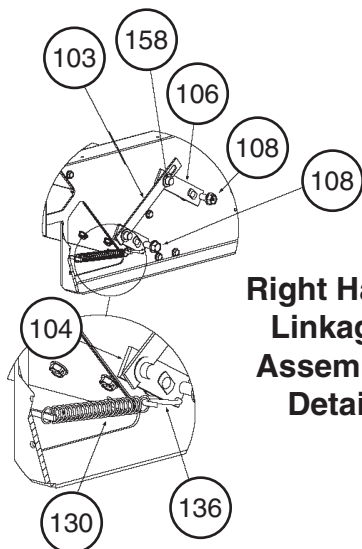
**Upper and Lower
Damper Stop Detail**



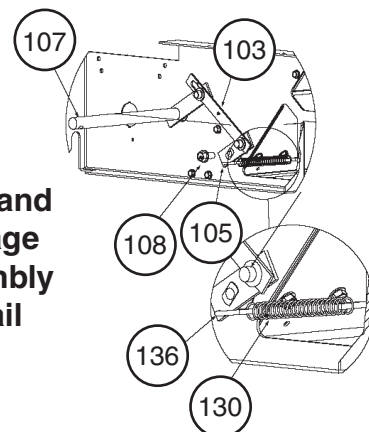
**OA & RA
Dampers Detail**



**Right Hand
Linkage
Assembly
Detail**



**Left Hand
Linkage
Assembly
Detail**



Damper Section

Outdoor Air & Return Air Dampers, Stops, Linkage, Draft Stop, Blockoffs Components

Ref. No.	Part Description	Part Number	Unit Size			
			S07	S10	S13	S15
101	Partition, Damper- LH ^{1, 2, 3}	106958601	1	1	1	1
102	Partition, Damper- RH ^{1, 2, 3}	106958602	1	1	1	1
103	Linkage- RA to OA ^{2, 3}	106960501	2	2	2	2
104	Linkage Assy- OA Damper ^{2, 3} Right Hand	105632005	1	1	1	1
105	Linkage Assy- RA Damper ^{2, 3} Left Hand	105632006	1	1	1	1
106	Linkage Assy- RA Damper ^{2, 3} Right Hand	105632004	1	1	1	1
107	Shaft- OA ^{2, 3}	106452802	1	1	1	1
108	Screw ^{2, 3}	066542401	3	3	3	3
122	Stop- Upper RA ^{1, 2, 3}	106958907	1			
	Stop- Upper RA ^{1, 2, 3}	106958910		1		
	Stop- Upper RA ^{1, 2, 3}	106958913			1	
	Stop- Upper RA ^{1, 2, 3}	106958915				1
123	Stop- Lower MB ^{1, 2, 3}	106958807	1			
	Stop- Lower MB ^{1, 2, 3}	106958810		1		
	Stop- Lower MB ^{1, 2, 3}	106958813			1	
	Stop- Lower MB ^{1, 2, 3}	106958815				1
124	Damper- OA Cold Weather ^{2, 3}	062975903	1			
	Damper- OA Cold Weather ^{2, 3}	062975904		1		
	Damper- OA Cold Weather ^{2, 3}	062975905			1	
	Damper- OA Cold Weather ^{2, 3}	062975906				1
125	Damper- RA Cold Weather ^{2, 3}	106824213	1			
	Damper- RA Cold Weather ^{2, 3}	106824214		1		
	Damper- RA Cold Weather ^{2, 3}	106824215			1	
	Damper- RA Cold Weather ^{2, 3}	106824216				1
130	Spring- Damper	057086601	2	2	2	2
131	Shaft- OA Damper ^{2, 3}	105621801	3	3	3	3
133	Bearing- Sleeve ^{2, 3}	4ACN1491	4	4	4	4
134	Screw ¹	4SBA2164	10	10	10	10
	Screw ^{2, 3}	4SBA2164	17	17	17	17
136	Hook- Damper	057086701	2	2	2	2
155	Screw ^{2, 3}	4SAJ3931	8	8	8	8
156	Nut- Lock ^{2, 3}	4NHA172A	8	8	8	8
158	Nut- Cap ^{2, 3}	4NKZ3144	4	4	4	4
N/S	Blockoff- Draft Stop ³	107662789	1	1	1	1
N/S	Angle- Draft Stop ³	105588089	1			
	Angle- Draft Stop ³	105588189		1		
	Angle- Draft Stop ³	105588289			1	
	Angle- Draft Stop ³	105588389				1
N/S	Panel- OA Blockoff ¹	106967307	1			
	Panel- OA Blockoff ¹	106967310		1		
	Panel- OA Blockoff ¹	106967313			1	
	Panel- OA Blockoff ¹	106967315				1

N/S= Not shown on diagram.

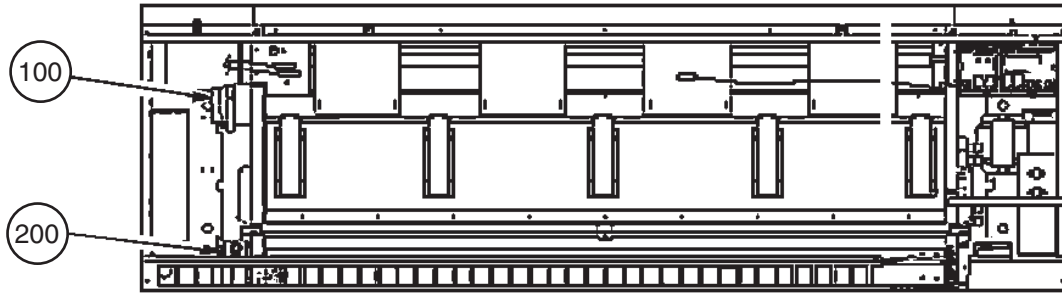
¹ Recirculation only units. Code 11= 24.

² RA Bottom Front/OA Rear units. Code 11= 22.

³ RA Bottom Front/OA Rear with Draft Stop units. Code 11= 30.

Actuators

Outdoor/Return Air Damper Actuator Face & Bypass Damper Actuator Components



Front View of Unit (less panels)

Actuators- Units with MicroTech II Controls

Ref. No.	Sch. Sym.	Part Description	Part Number	Unit Size			
				S07	S10	S13	S15
100	A2	Actuator- Face & Bypass Damper ¹	106379401	1	1	1	1
200	A1	Outdoor/Return Air Damper Actuator	106379301	1	1	1	1

¹ UAVR, UAVS Units.

Actuators- Units without MicroTech II Controls

Ref. No.	Sch. Sym.	Part Description	Part Number	Unit Size			
				S07	S10	S13	S15
100	A2	Actuator- Face & Bypass Damper ¹	106379402	1	1	1	1
200	A1	Outdoor/Return Air Damper Actuator	106379302	1	1	1	1

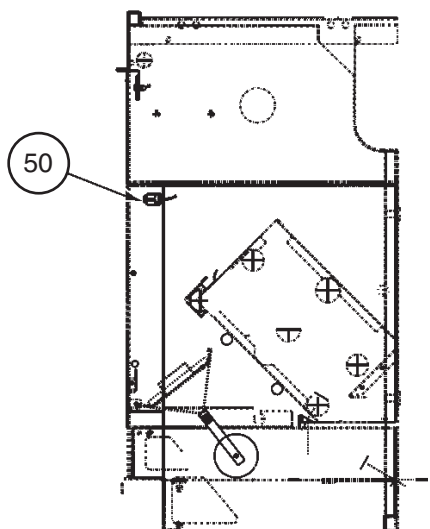
¹ UAVR, UAVS Units.

Controls

Unit Mounted Limit Controls

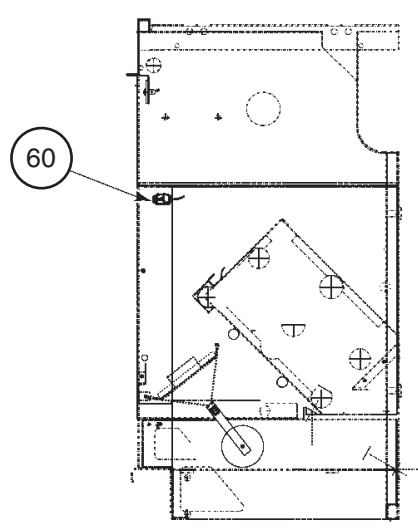
Overheat Stat (OH1), DE Low Limit Control (T4), Hydronic Coil Low Water Temp. Stat (T6)

**Hydronic Coil
Low Water Temp. Stat. (T6)**



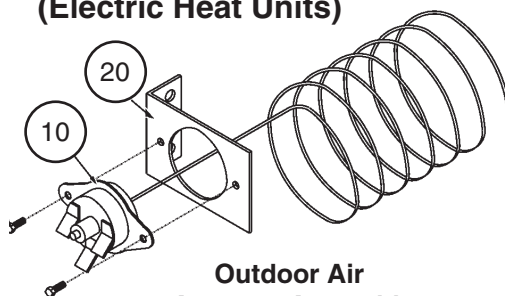
Left End Compartment

**Direct Expansion Coil
Low Limit Control (T4)**



Left End Compartment

**Overheat Stat (OH1)
(Electric Heat Units)**



Outdoor Air
Actuator Assembly

Ref. No.	Sch. Sym.	Part Description	Part Number	Unit Size			
				S07	S10	S13	S15
10	OH1	Thermosat- Overheat w/Manual Reset ^{1, 2}	106471501	1	1	1	1
20		Bracket ¹ Manual Reset Switch	GE1030	1	1	1	1
50	T6	Thermostat- Low Water Temp. ³	4ELN9178	1	1	1	1
60	T4	Control- Low Limit, DE Coil ⁴	4ELN7604	1	1	1	1

¹ Code 7= 12 or 13.

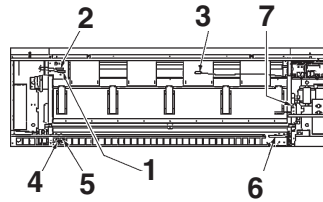
² Overheat switch with automatic reset is p/n 4ELN7697.

³ Code 6= U, D, E, V, W, S, F, Y.

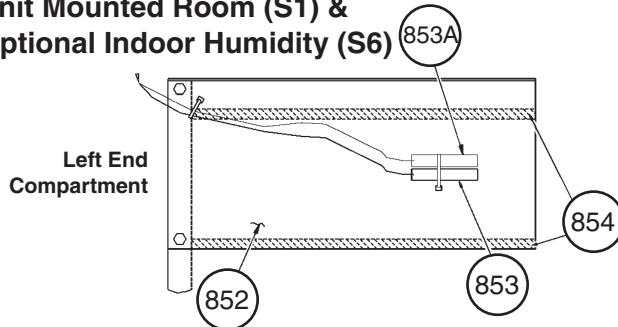
⁴ Code 6= G.

Controls- MicroTech II Controls

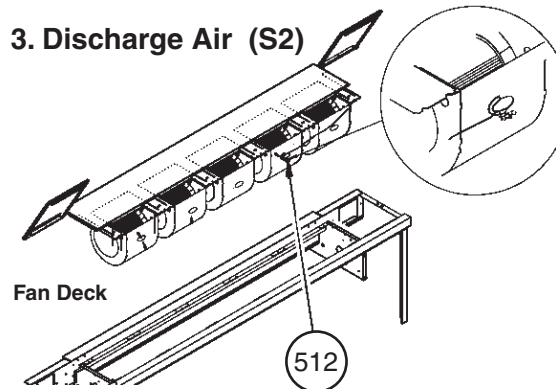
Sensors- Unit Mounted Room, Discharge Air, Return Air, DE, CO² Sensor Diagrams



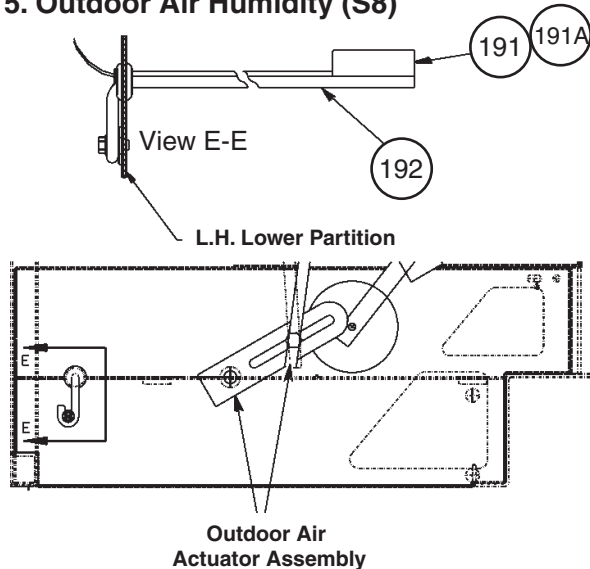
1. Unit Mounted Room (S1) &
2. Optional Indoor Humidity (S6)



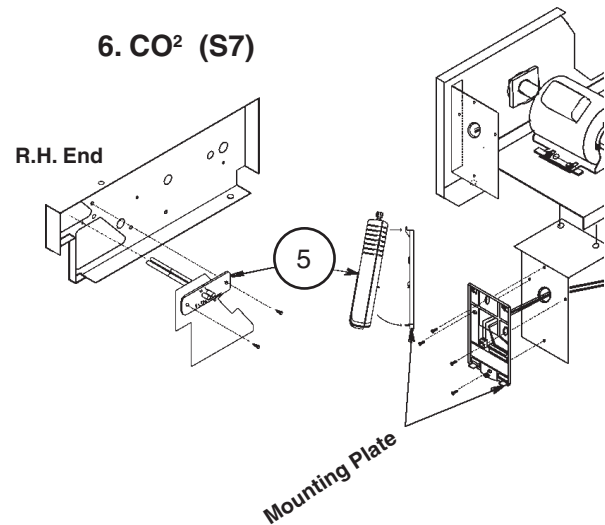
3. Discharge Air (S2)



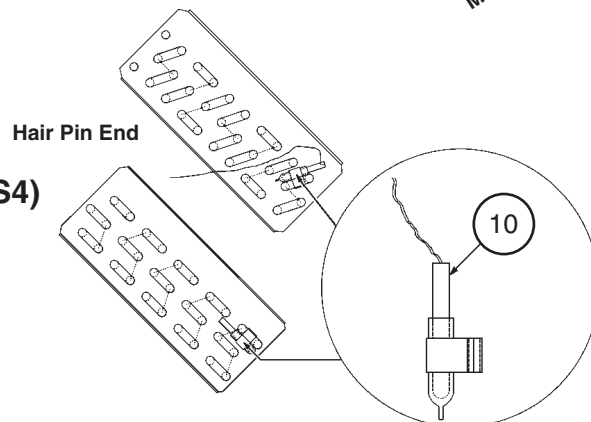
4. Outdoor Air (S3) &
5. Outdoor Air Humidity (S8)



6. CO² (S7)



7. Direct Expansion (S4)



Controls

MicroTech II Controls

Sensors- Unit Mounted Room, Discharge Air, Return Air, DE, CO² Sensor Components

Sensors- MicroTech II Controls

Ref. No.	Sch. Sym.	Part Description	Part Number	Unit Size			
				S07	S10	S13	S15
5	S7	Sensor- CO ₂ ³ 0- 10 VDC	107287002	1	1	1	1
10	S4	Sensor Assy- DE ^{1, 2}	107303011	1	1	1	1
		Sensor Only	106354002	1	1	1	1
191	S3	Sensor Assy- Outdoor Air ¹ 80"	107303001	1	1	1	1
		Sensor Only	106354001	1	1	1	1
191A	S8	Sensor Assy, Humidity- Outdoor Air 50"	107304701	1	1	1	1
		Sensor Only	106451701	1	1	1	1
192		Mount- Sensor	GC12315	1	1	1	1
512	S2	Sensor Assy- Discharge Air ¹	107303001	1	1	1	1
		Sensor Only	106354001	1	1	1	1
852		Bracket- Sensor	GC11849	1	1	1	1
853	S1	Sensor Assy- Room ¹	106354001	1	1	1	1
853A	S6	Sensor Assy, Humidity- Indoor Air	107304702	1	1	1	1
		Sensor Only	106451701	1	1	1	1
854		Gasket	001318200	2 ft.	2 ft.	2 ft.	2 ft.

¹ Sensor Assy includes sensor and receptacle.

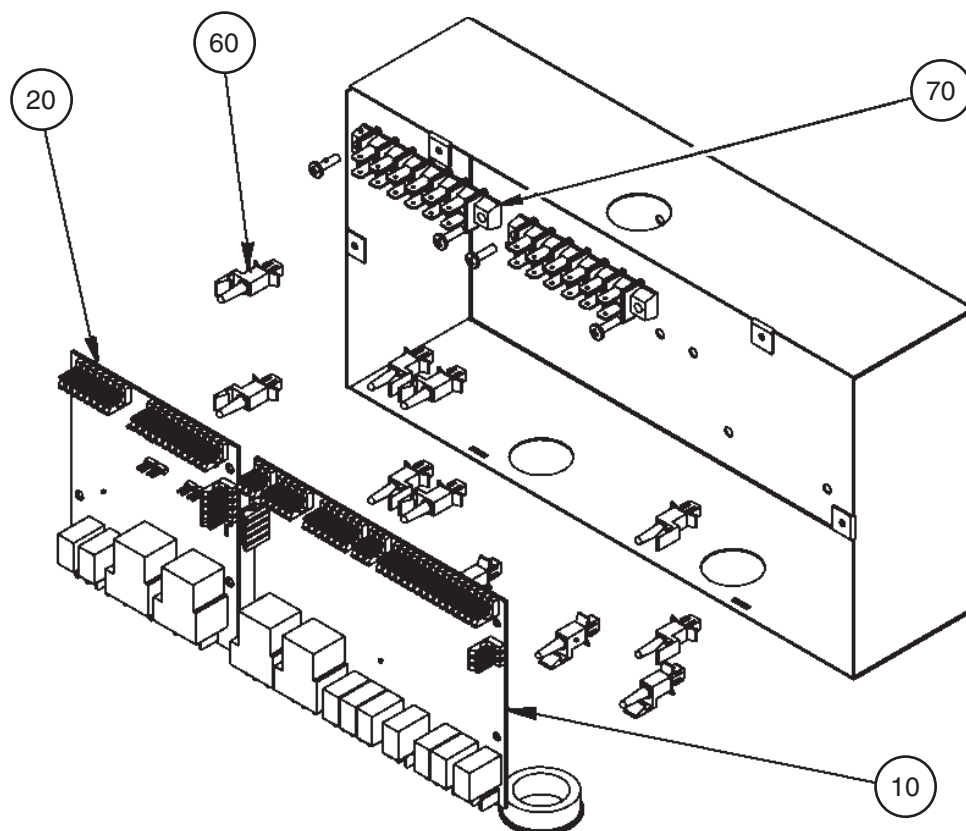
² Code 6= G.

³ Code 9= B9, BA, BB, BC, BD, BE, BF, BG, E9, EA, EB, EC, ED, EE, EF, EG, E9, EA, EB, EC, ED, EE, EF, EG.

Controls

MicroTech II Controls

Circuit Board, Expansion Board, Terminal Block

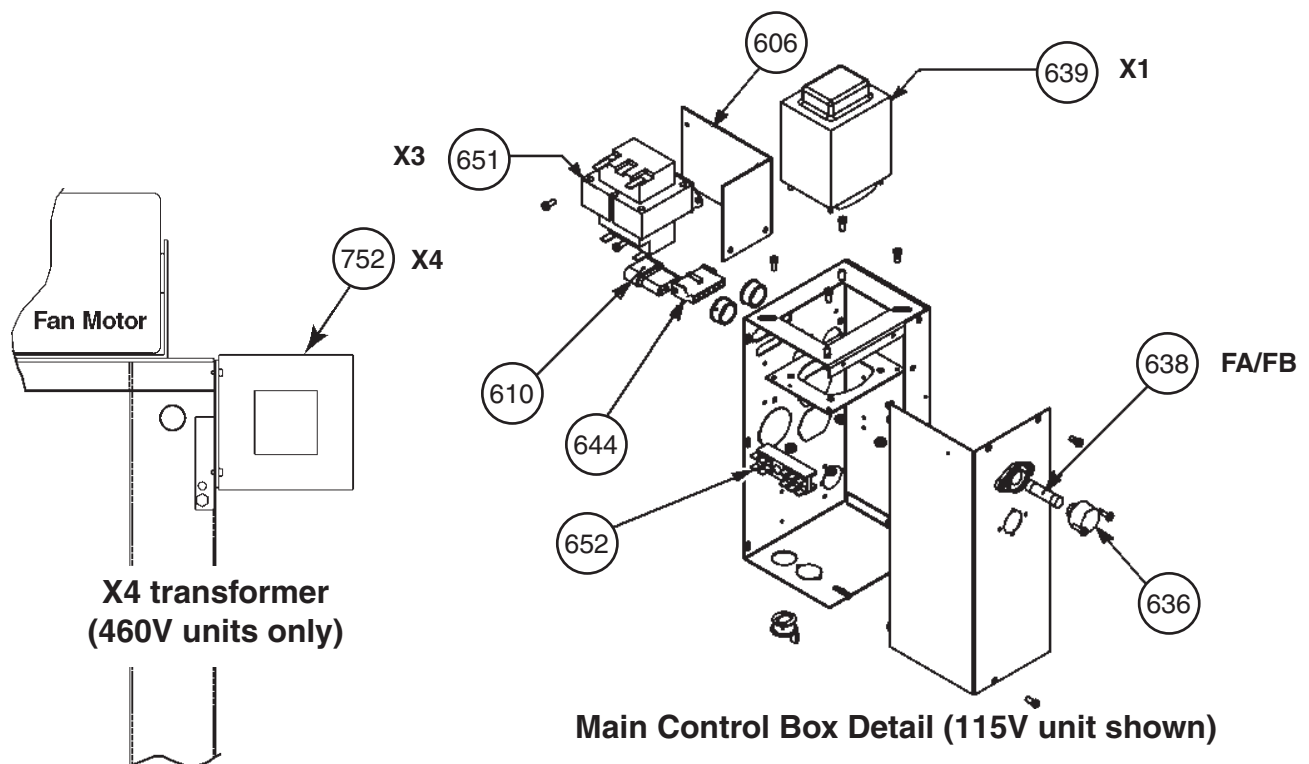
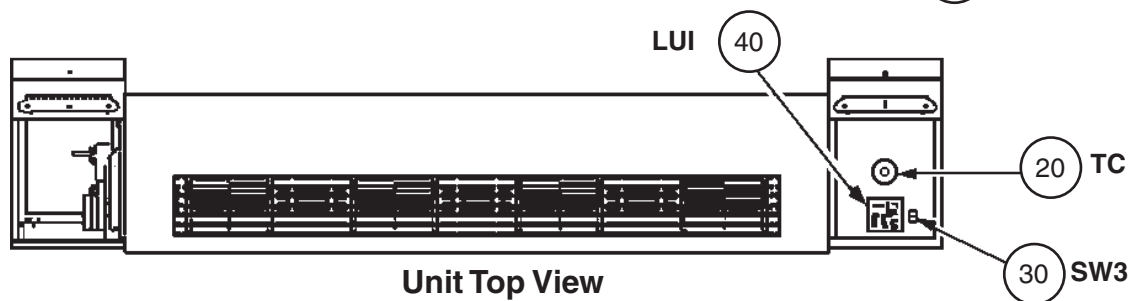
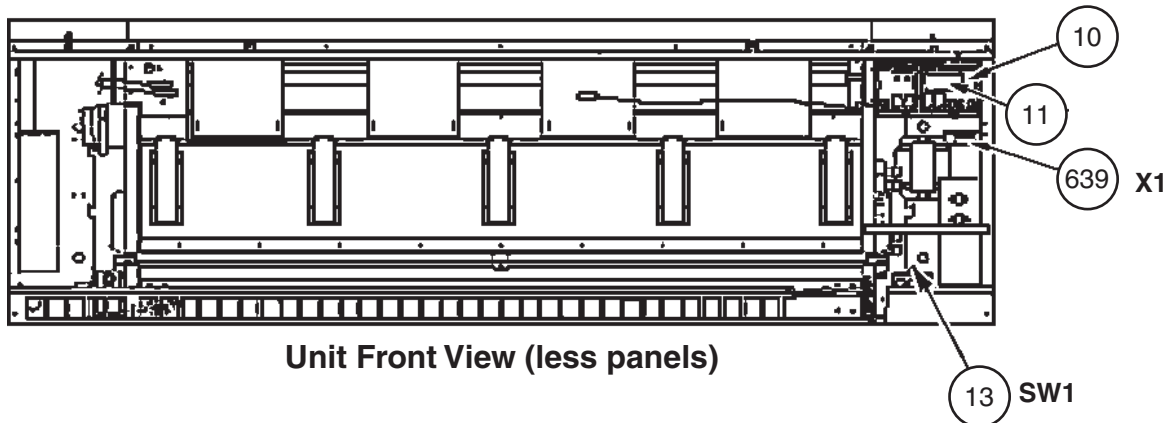


Ref. No.	Sch. Sym.	Part Description	Part Number	Unit Size			
				S07	S10	S13	S15
10		Circuit Board- MicroTech II	106380002	1	1	1	1
20		Expansion Board Modtac 2	106102901	1	1	1	1
60		Stand Off	802028115	9	9	9	9
70		Terminal Block 12 pin	106450401	2	2	2	2

Controls

MicroTech II Controls

**Communication Module Options, Local User Interface, Time Clock, Tenant
Override switch, Transformers, Fusing, Terminal Boiard, Power Switch
Diagrams**



Controls

MicroTech II Controls

Communication Module Options, Local User Interface, Time Clock, Tenant Override switch, Transformers, Fusing, Terminal Board, On/Off Switch Components

Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				115	208/230	265	460
10		Circuit Board- MicroTech II	106380002	1	1	1	1
11		Communication Module- LonMark ¹	106103101	1	1	1	1
		Spacer for LonMark Board	048166707	4	4	4	4
		Communication Module- Matasys ²	060006202	1	1	1	1
		Spacer for Matasys Board	048166707	4	4	4	4
		Communication Module- BACnet ³	106103802	1	1	1	1
		Spacer for BACnet Board	048166707	4	4	4	4
13	SW1	Switch- Unit On/Off Hydronic Heat	106616101	1	1	1	1
20	TC	Time Clock	106451601	1	1	1	1
30	SW3	Switch- Tenant Override SPDT	4EAL7261	1	1	1	1
40	LUI	Interface- Local User	106372101	1	1	1	1
606		Angle- Transformer Mount	106007701	1	1	1	1
610		Receptacle	GES9	1	1	1	1
636		Fuse Holder	4EHB1933		2	2	
		Fuse Holder	4EHB1933	1			1
638	FA/FB	Fuse- 3.5A FNQ	4EHG7713		2	2	
	FA	Fuse- 5.0A FNQ	4EHG8089	1			1
639	X1	Transformer	107329901		1	1	
		Transformer	107329801	1			1
644		Housing- Plug	107330020	1	1	1	1
651	X3	Transformer- 75VA	056717701		1		
		Transformer- 75VA	4EPC9177			1	
		Transformer- 75VA	062986902	1			1
652		Terminal Board	802007090	1	1	1	1
752	X4	Transformer 500VA	4EPC6552A				1

¹ Code 9= B5, BD, E5, ED, L5, LD.

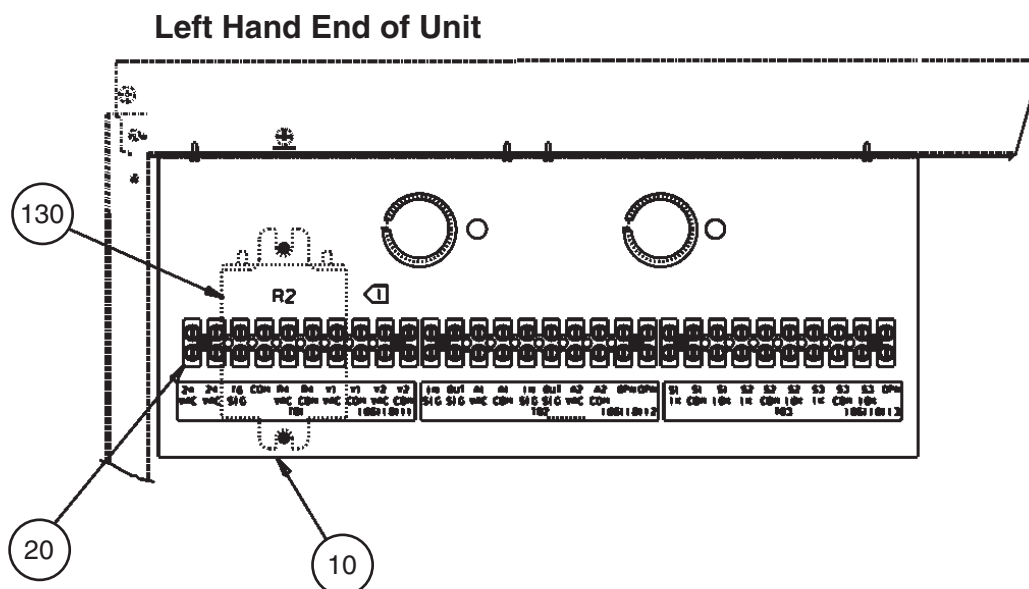
² Code 9= B6, BE, E6, EE, LE, LE.

³ Code 9= B 4, BC, E4, EC, L4, LC.

Controls

DDC Controls (Code 9= 17)

Terminal Strip, R2 Relay (Damper/Valve Control)

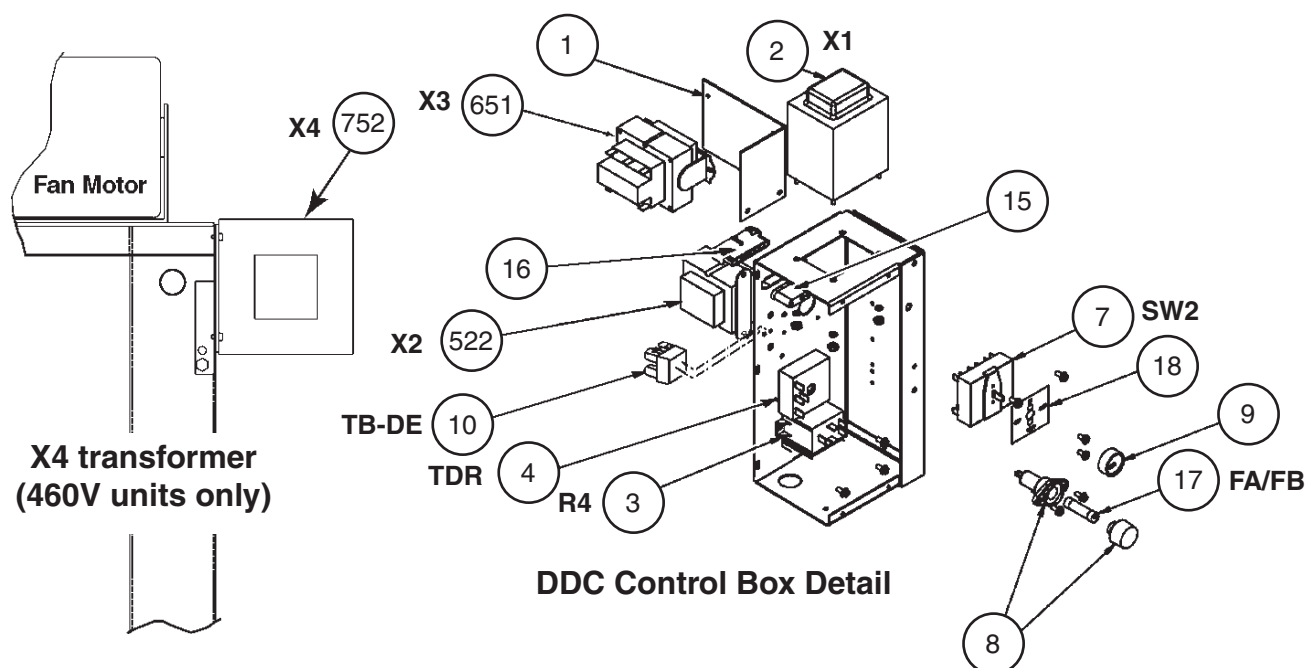


Ref. No.	Sch. Sym.	Part Description	Part Number	Unit Size			
				S07	S10	S13	S15
10		Bracket	106118201	1	1	1	1
20	TB1-3	Terminal Strip	106118301	3	3	3	3
130	R2	Relay- Actuator/Valve 24VAC/2PDT	066793001	1	1	1	1

Controls

DDC Controls (Code 9= 17)

Switches, Transformers, Fuses, Relays, Terminal Strip, Time Delay



Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				115	208/230	265	460
1		Angle- X3 Transformer Mount	106007701	1	1	1	1
2	X1	Transformer	107329801	1			1
	X1	Transformer	107329901		1	1	
3	R4	Relay 1PDT	4EWJ9054	1	1	1	1
4	TDR	Timer- Anti Short ¹ 5 min.	057542701	1	1	1	1
7	SW2	Switch- Rotary 2 Pole/4 Pos.	057543001	1		1	1
	SW2	Switch- Rotary 3 Pole/4 Pos.	057542901		1		
8		Fuse Holder	4EHB1933	1		1	1
		Fuse Holder	4EHB1933		2		
9		Knob- SW2	802018013	1	1	1	1
10	TB-DE	Terminal Strip ¹	106118302	1	1	1	1
15		Receptacle	GES9	1	1	1	1
16		Plug 8 ckt.	107330020	1	1	1	1
17	FA	Fuse 5.0A FNQ	4EHG8089	1			1
	FA	Fuse 3.25A FNQ	4EHG7713			1	
	FA/FB	Fuse 3.25A FNQ	4EHG7713		2		
18		Label- SW2	107541201	1	1	1	1
522	X2	Transformer ¹	4EPC9056	1	1	1	1
651	X3	Transformer	062986902	1			1
	X3	Transformer	056717701		1		
	X3	Transformer	4EPC9177			1	
752	X4	Transformer 500VA	4EPC6552A				1
N/S	SW1	Switch- Unit Power 20A DP	106616101	1	1	1	1

N/S= Not Shown on diagram.

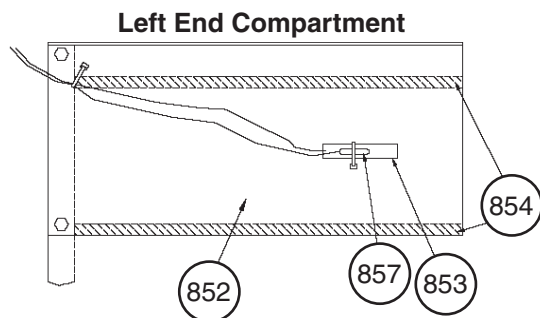
¹ Units with DE Cooling only (Code 6= G).

Controls

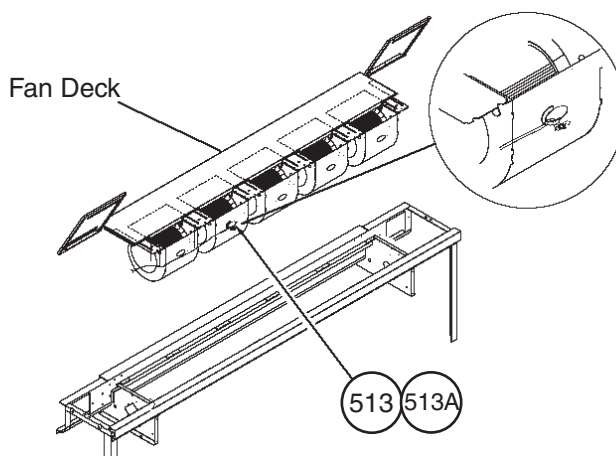
DDC Controls (Code 9= 17)

S1, S2, S3 Sensors

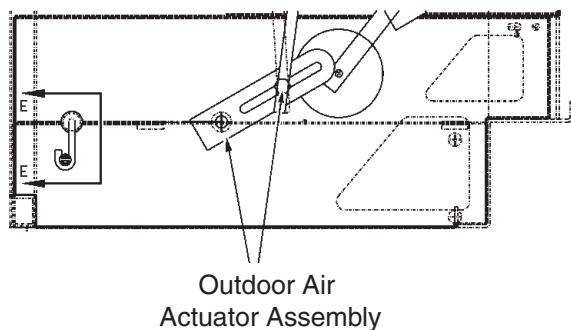
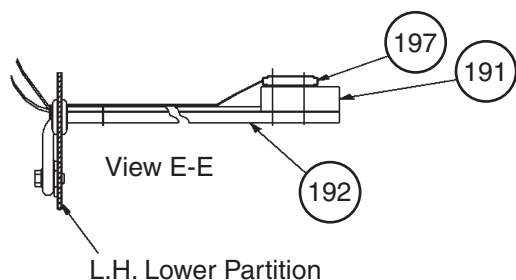
Unit Mounted Room Sensor (S1)



Discharge Air Sensor (S2)



Outdoor Air Sensor (S3)



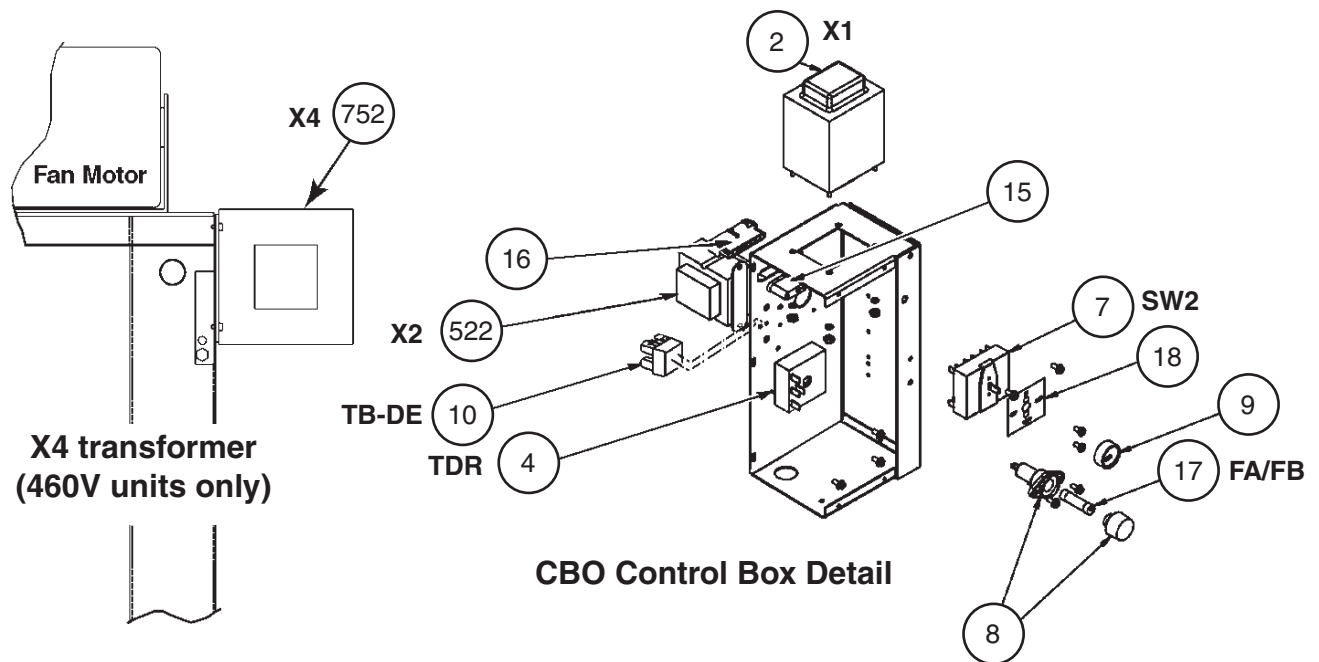
Sensors- DDC Controls

Ref. No.	Sch. Sym.	Part Description	Part Number	Unit Size			
				S07	S10	S13	S15
191		Sensor 10K	107201601	1	1	1	1
192		Mount- Sensor	GC12315	1	1	1	1
197	S3	Sensor 1035 OHM @ 25°C	106354001	1	1	1	1
513		Sensor 10K	107201601	1	1	1	1
513A	S2	Sensor 1035 OHM @ 25°C	106354001	1	1	1	1
852		Bracket	GC11849	1	1	1	1
853		Sensor 10K	107201601	1	1	1	1
854		Gasket	001318200	2 ft.	2 ft.	2 ft.	2 ft.
857	S1	Sensor 1035 OHM @ 25°C	106354001	1	1	1	1

Controls

Controls by Others (Code 9= 23)

Switches, Transformers, Fuses, Relays, Terminal Strip, Time Delay



Ref. No.	Sch. Sym.	Part Description	Part Number	Voltage			
				115	208/230	265	460
2	X1	Transformer 115V, 265V, 460V units	107329801	1			1
	X1	Transformer 208V, 230V units	107329901		1	1	
4	TDR	Timer- Anti Short ¹ 5 min.	057542701	1	1	1	1
7	SW2	Switch- Rotary 2 Pole/4 Pos.	057543001	1		1	1
	SW2	Switch- Rotary 3 Pole/4 Pos.	057542901		1		
8		Fuse Holder	4EHB1933	1		1	1
		Fuse Holder	4EHB1933		2		
9		Knob- SW2	802018013	1	1	1	1
10	TB-DE	Terminal Strip ¹	106118302	1	1	1	1
15		Receptacle	GES9	1	1	1	1
16		Plug 8 ckt.	107330020	1	1	1	1
17	FA	Fuse 5.0A FNQ	4EHG8089	1			1
	FA	Fuse 3.25A FNQ	4EHG7713			1	
	FA/FB	Fuse 3.25A FNQ	4EHG7713		2		
18		Label- SW2	107541201	1	1	1	1
522	X2	Transformer ¹	4EPC9056	1	1	1	1
752	X4	Transformer 500VA	4EPC6552A				1
N/S	SW1	Switch- Unit Power 20A DP	106616101	1	1	1	1

N/S= Not Shown on diagram.

¹ Units with DE Cooling only (Code 6= G).

Critical Daikin Applied OEM Parts Are What Your Daikin Applied HVAC Unit Needs!

Unit Ventilator Vertical UAVS, UAVV, UAVR, UAVB S07, S10, S13, S15 Design F (6)

CRITICAL COMPONENTS	MODEL	UNIT SIZE	VOLTAGE	PART NUMBER
CONTROL				
Circuit Board- MicroTech II	ALL	ALL	N/A	106380002
Expansion Board- Modtac2	ALL	ALL	N/A	106102901
ACTUATOR				
Actuator w/MTII Controls OA/RA	ALL	ALL	N/A	106379301
Actuator w/MTII Controls F&B	ALL	ALL	N/A	106379401
Actuator-w/o MTII Controls OA/RA	ALL	ALL	N/A	106379302
Actuator-w/o MTII Controls F&B	ALL	ALL	N/A	106379402
MOTOR				
Motor 1/4 HP	ALL	ALL	115/60/1	063261703
X13 ECM & Program	ALL	ALL	115/60/1	See motor name plate
WHEEL				
Wheel-Fan, Plastic	ALL	ALL	N/A	105687401
TRANSFORMER				
Transformer X1	ALL	ALL	115/460V	107329801
Transformer X1	ALL	ALL	208/230//460V	107329901
Transformer X2	ALL	ALL	ALL	4EPC9056
Transformer X3	ALL	ALL	208/230V	056717701
Transformer X3	ALL	ALL	265V	4EPC9177
Transformer X3	ALL	ALL	115/460V	062986902
Transformer X4	ALL	ALL	460V	4EPC6552A
Transformer X5	ALL	ALL	208/230V	063042401
Transformer X5	ALL	ALL	265V	060630702
VALVE				
TCX Valve 2 Tons	ALL	S07	N/A	106500603
TCX Valve 2 Tons	ALL	S10	N/A	106500604
TCX Valve 3 Tons	ALL	S13	N/A	106500606
TCX Valve 4 Tons	ALL	S15	N/A	106500608

**Call Your Local Daikin Applied Parts Distributor For All Your Parts Needs.
To Locate A Distributor, Go To www.DaikinApplied.com or Call 1-800-37PARTS**